

AMENDMENTS TO THE SPECIFICATION:

Page 1, amend title as:

[[A]] TOUCH CONTROL DISPLAY SCREEN WITH ~~WHICH~~ A BUILT-IN ELECTROMAGNET ELECTROMAGNETIC INDUCTION LAYER OF CONDUCTOR GRIDS

Page 7, amend paragraph [0024] as:

[0024] Fig.3 is a diagram showing the X and Y axial direction wire induction ~~education~~ means of the induction layer according to the present invention.

Pages 9-10, amend paragraph [0035] as:

[0035] A characteristic point of the present invention is that the induction layer 4 is placed behind the display screen 3, and after the electromagnetic handwriting operation pen touches and presses the display screen 3, the induction layer 4 still can respond to the position contacted on the handwriting table through the display screen. In a concrete structural design, the surface area of the induction layer 4 is the same size as the surface area of the display screen 3. A shielding layer 5 is provided behind the induction layer 4, and a recognition circuit layer 6 is provided behind the shielding layer 5. The shielding layer 5 respectively insulates and shields between the induction layer 4 and the recognition circuit layer 6. Of course, the shielding layer 5 and the recognition circuit layer 6 may be separately placed in another space in the display screen or main unit. However, an entire induction device can be integrated by placing the insulating shielding isolating layer 5, the recognition circuit layer 6, and the touch control induction layer 4

affixed together. In order to further ensure the shielding effect, a spatial gap is provided between the shielding layer 5 and the recognition circuit layer 6. Of course, if a spatial gap is retained between the shielding layer 5 and the induction layer [[6]] 4, there is already an insulating effect, and that shielding layer 5 itself may be a material not having an insulating layer. The shielding layer 5 is used for enhancing the anti-interference capability of the equipment.

Page 10, amend paragraph [0037] as:

[0037] A buffering layer 8' is provided between the induction layer 4 and the shielding layer 5, ~~or a buffering layer 8' is provided between the induction layer 4 and the shield layer 5.~~ The buffering layer 8' is used to keep a reasonable space between the induction layer 4 and the ~~shield~~ shielding layer 5. Furthermore, the electromagnetic signal is transmitted from the pen in the both cases that the pen is pressed down and the pen is not pressed down, so as to control conveniently. Certainly, in a modification of the invention, the electromagnetic signal is not transmitted in the case that the pen is not pressed down. Furthermore, the pen can be provided with pressure induction means in order to sense the pressure by using different frequency.

Page 11, amend paragraph [0039] as:

[0039] As shown in Figs. 3, 4, 5 and 6, the induction layer [[5]] 4 may be a wire lattice winded and interlaced by the wires 52 along the X axis and the wires 51 along the Y axis, and the wires are insulated with each other at the crossing points 54. The space enclosed by each lattice unit constitutes one induction cell 53. There can be position reference columns 511 while winding. The surface of the wires is wholly covered or

coated by an insulated layer. Alternatively, the enameled wires along the X and Y axes can wind the wire lattice.

Pages 11-12, amend paragraph [0041] as:

[0041] As shown in Fig. 7, more than one induction layer $[[5]]$ 4 and $[[5']]$ 4' are overlaid together and the induction cells 53 on respective induction layers are set to interlace each other, so as to improve the accuracy of the touch display screen. The interval sizes of the said induction cells 53 on respective layers may be same or different. After the induction layers in which ~~that~~ each layer has different interval size of the induction cells 53 are overlaid together, the scale unit of the coordinates is consequentially shorten, so the accuracy of induction is improved. In the case that the induction layers having same size of the induction cells 53 are overlaid together, because the induction cells 53 on different induction layers are set to interlace each other, the scale unit of the coordinates can also be shorten, and so the sensitivity of the touch display screen is improved.

Page 13, amend paragraph [0044] as:

[0044] As shown in Fig. 10, the output of the wire lattice of the induction layer 4 is positioned between a hard sheet 600 and a printed circuit board 500. A buffering layer $[[7]]$ 8' is positioned between the hard sheet 600 and the output of the wire lattice. The hard sheet 600, buffering layer $[[7]]$ 8' and the output of the wire lattice are overlaid on the printed circuit board 500 by means of the screwing and pressing connection 700. The output of the wire lattice is connected with corresponding input terminal 511' on the printed circuit board 500.

Pages 13-14, amend paragraph [0046] as:

[0046] As shown in Fig. 8, the components of the induction collection control circuit may be positioned on the printed circuit board 8 that is separated from the induction layer 4 and integrated with the control circuit of the display screen, and of course be positioned outside the display screen body like PC. The output 82 of the wire lattice of the induction layer is connected with the input induction ~~eduction~~ terminal 81 of the printed circuit board by means of pressure-connection, plug-in connection or welding-connection. The connection can be achieved with existing usual standard interfaces, for example, the output interface 82 of the induction layer and the interface 81 of the control circuit may be one of the following connection types: pin-type connection means, flexible printed circuit means, PIN-PIN connection means, welding spot (VGA) thermal-melted connection means, ultrasonic welding device, solder-plate welding device and puncture-type connection means.

Page 14, amend paragraph [0047] as:

[0047] The operation mechanism of the present invention is as shown in Fig. 9. In Fig. 9, P is the signal input terminal of the pen, and there is a bigger conductor P' on the head of the pen, the electromagnetic pen transmits electromagnetic signal continuously. When the pen-point touches the induction generation device, said electromagnetic signal passes through the induction antenna at the corresponding location, and then the antenna at the location induces a signal. The location signal induced by the induction generation device is transferred to the input terminal of the control identification circuit through the wire along X, Y axes. After array selecting, control process, band-pass filtering, detection

rectification and A/D conversion, the resultant location signal is transferred to the processing circuit and calculated by the CPU, so as to determine the location coordinates of the electromagnetic signal on the induction antenna and various operation statuses. Above data or information is sent to a computer through communication interfaces, thereby to control the computer to identify, display, record and so on.

Page 15, amend paragraph [0049] as:

[0049] As shown in Fig. 11, the induced electromagnetic signal source is the electromagnetic operation pen, the electromagnetic handwriting operation pen transmits constant frequency or data electromagnetic signal continuously ~~in the course of~~ normally. After the pen-point is pressed, and touches the device, the electromagnetic signal of the induction generation device passing through the wire lattice, the bottom of the horizontal antennas and the top of the vertical antennas at the location corresponding to the center or around area of the electromagnetic signal source induce the electromagnetic signal. The electromagnetic signal induced is transferred to CPU through the interface of the recognition circuit. The CPU calculates the positions of the induction antennas, the intensity of the voltage and the ~~varies~~ variation of the frequency signal so as to determine the position of the electromagnetic signal source and various operation statuses, and the results above are transferred to CPU so as to control the computer to achieve various commands, such as character or shape identification, drawing or shortcut key transferring.

Page 16, cancel paragraph [0051].